

## CLAIMS

What I claim is:

1. A fluid wheel generator comprising:
  - a) A first fluid wheel and generator pair mounted on a first vertical axle  
5 for rotation about a vertical axis,
  - b) A second fluid wheel and generator pair mounted on a second vertical axle for co-rotation with said first fluid wheel and generator pair about said first vertical axis,
  - c) Said second vertical axle adapted for rotation about said first vertical  
10 axle,
  - d) Said first and second fluid wheels mounted for immersion in a stream of moving fluid,
  - e) Said first and second generators mounted in or above said moving stream of fluid.
- 15 2. A water wheel generator as claimed in claim 1 wherein each of said wheels further comprise a central hub and a plurality of paddles for engaging the said stream of moving fluid.
3. A fluid wheel generator as claimed in claim 2 wherein each of said paddles is mounted to said central hub for rotation about a paddle vertical  
20 axis from a closed to an open and fluid engaging position.
4. A water wheel generator as claimed in claims 1, 2 or 3 wherein said fluid is water.
5. A water wheel generator as claimed in claim 4 wherein said generators are both mounted above said moving stream of water.

25 6. A wind powered wheel generator as claimed in claims 1, 2 or 3  
wherein said fluid is air and said first and second wheel and generator pairs  
extend generally vertically above said generators.